

USAMC LOGISTICS SUPPORT ACTIVITY



LOGSA



PACKAGING ENGINEERING AND TESTING

Established in 1948, the Packaging, Storage, and Containerization Center (PSCC), an activity of the US Army Materiel Command Logistics Support Activity (LOGSA), has provided logistics support to the Warfighter for more than a half-century. LOGSA PSCC has a staff of globally recognized professionals that provide premier distribution and testing solutions.

LOGSA PSCC's Packaging Applications Testing Facility is the largest packaging testing facility in the Department of Defense (DoD) and the only DoD laboratory certified by the International Safe Transit Association (ISTA). The recent multi-million dollar facility/equipment modernization and continuous upgrades have resulted in a premiere, secure testing facility.

Our staff of engineers and packaging/HAZMAT specialists are available to address your packaging challenges to ensure your materiel is protected during storage and shipment and arrives in an A-1 readiness condition. Our state-of-the-art testing chambers and equipment can replicate any environmental, handling, and transportation condition a packaging will be subjected to during storage, transportation, or use.

PSCC can test to ASTM D 4169 (Shipping Container Performance), ASTM D 4919 (HAZMAT Performance Packaging), MIL-STD-810 (Environmental Considerations), MIL-STD-3010 (Packaging Materials), as well as specifications from industry and non-Government standards bodies such as ISTA, ANSI, and TAPPI, or item specifications.

Our highly trained professional staff and leading edge equipment are readily available to: test your packaging designs; conduct HAZMAT performance testing for certification of your packaging; support the design of new packagings and implementation of new materials; and perform environmental testing of packages, materials, and equipment.

To arrange for testing or for further information, contact us at DSN 795-7756, (570) 615-7756, or E-mail: toby.ltad@us.army.mil.





Weather and Environmental Exposure

- Temperature/Humidity Chambers
- Low Temperature Chambers/Cabinets
- Altitude Chamber
- Rain Room
- Salt/Fog Cabinets
- Salt Spray Cabinet
- Standard Condition Room
- Hydrostatic Pressure
- Small Package Leak Tester (Vacuum)
- Ultra-Violet with Condensation System
- Sand/Dust Cabinet

Rough Handling - Shock & Vibration

- Rotary Synchronous & Vertical Linear Vibration Tables - Capabilities of 12,000, 4,000, 2,000, and 1,250 lbs.
- Random Vibration - 500-lb Capacity
- Free-fall Drop Testers
 - 2.7-m & 1.8-m Swing-Arm
 - Electronic Release Hooks
 - Exterior & Interior Drop Plates
- Compression (Stack) Testers
- 10-mph Incline Impact Testers with Shock Programmer
- Revolving Drum (7 Ft.)

Materials Testing

- Water Vapor Transmission Rate
 - Flat Film
 - Packages
- Seal/Seam Integrity
- Tear
 - Free-Falling Dart
 - Elmendorf-Swing Pendulum
- Fiberboard
 - Mullen Burst
 - Edge Crush
 - Ring Crush
 - Flat Crush
- Beach Puncture
- Tension
- Gelbo Flex
- Abrasion
 - Tabor Abrasor
 - Graphics Arts Comprehensive (GA-CAT)
- Thermal Analysis
- Gehman Tester

Test Protocols & Requirements

- ASTM
- 49 CFR (HAZMAT)
- TAPPI (Paper & Paperboard)
- MIL-STD-3010 (Packaging Materials)
- MIL-STD-810 (Environmental)

Secure Facility: 24-hour Motion Detection

AMC LOGSA - Supporting Warfighters Globally!